

# the Milliwatt



The award-winning monthly publication of  
The Baltimore Radio Amateur Television Society  
P.O. Box 5915      Baltimore, MD 21282-5915

AUGUST, 2004

## FCC Sets New Vanity Fee Start Date: August 6, 2004

The FCC has announced that the new Amateur Radio vanity call sign regulatory fee of \$20.80 for the 10-year license term will go into effect August 6. Applicants for amateur vanity call signs will continue to pay the \$16.30 fee per vanity call sign application received by FCC until the new fee goes into effect. The FCC says it expects to collect close to \$162,000 from 7800 Amateur Radio vanity call sign applicants during Fiscal Year 2004. See the FCC's annual Report and Order (Docket MD04-73) for details on their assessment and collection of regulatory fees for FY2004.

## Hawaii's Governor Vetoes Amateur Radio Antenna Bills

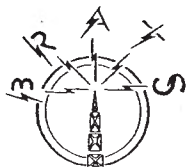
Hawaii Gov Linda Lingle has vetoed two Amateur Radio antenna bills. Both pieces of legislation would have provided limited opportunities for amateurs living under private deed covenants, conditions and restrictions (CC&Rs) to erect antennas.

# MARYLAND HAMFEST AND COMPUTER FEST

SPONSORED BY  
THE BALTIMORE RADIO AMATEUR TELEVISION SOCIETY

**SUNDAY, JULY 25, 2004**

TIMONIUM FAIRGROUNDS, YORK ROAD OFF I-695, I-83



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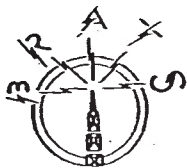
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# the Milliwatt

The award-winning monthly publication of The BRATS. Items contained herein may be reprinted with credit.

Mayer D. Zimmerman, W3GXX, Editor

## Some Thoughts

With the price of postage going up again soon, and with the revenue from the Hamfest going down, we need to consider how to raise funds to continue to run the club. Shall we raise the dues? We have assiduously avoided doing so for a number of years. Shall we raise the dues now? Shall we send everyone a MILLIWATT via e-mail, or only those who request it? Shall we lower the dues for those who opt to receive their MILLIWATT via email ( a two-tier structure) or shall we keep the level the same regardless of how you receive your newsletter? Should we post the MILLIWATT on the BRATS web page? (available to all for downloading). Please send me an email: [mayerzimmerman@netzero.com](mailto:mayerzimmerman@netzero.com) and let me know what you prefer. I eagerly await your opinion/preference. See you all at the Hamfest!

Thanks and 73,  
Mayer, W3GXX

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## The Baltimore Radio Amateur TV Society, Inc.

P.O. Box 5915 Baltimore, MD 21282-5915

a non-profit organization under section 501(c)(3) of the Internal Revenue Code and a non-profit corporation in the State of Maryland.

home page: <http://www.bratsatv.org>

e-mail: [mail@bratsatv.org](mailto:mail@bratsatv.org)

InfoLine: 410- 461-0086

Meetings: 2nd Tuesday, 7:30 PM, Pikesville Library,  
1301 Reisterstown Rd., Pikesville, MD.

President: Ed Rosen, N3GXX

Vice Pres: Ian Millet, N3CVA

Secretary: Mayer D. Zimmerman, W3GXX

Treasurer: Les McClure, W3GXT

Chairman: Heru Walmsley, W3WVV

Vice Chairman, Technical: Mike Dees, N3EZD

Vice Chairman, Operations: Ian Millet, N3CVA

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## BRATS Repeaters

BRATS Linked Repeater System:

W3DID: 147.03+, 224.96-, 448.325-

BRATS Stand-alone Repeaters:

443.350+, 224.80-

BRATS APRS Network Node:

W3GXT-2: 144.390 APRS

BRATS ATV Repeater System:

W3WCQ: inputs: 426.25, 1253.25

outputs: 439.25, 911.25

## BRATS Weekly Nets

Mon 11:45 Informal ATV Net, W3WVV

Mon 9 PM Traffic and Info Net , W3GXX

Tues 9 PM Horsetraders Net, KA3CEA

Thurs 9 PM BRATS ATV Net

Sat. 1 PM News Bulletin, W3GXX

Sat. 1:20 BRATS Answer Men:  
W3WVV and N3GXX

As Needed Skywarn Net; and/or BRATS  
Weather/Emergency Net,  
N3VMF, WA3DZZ

## BRATS Board of Directors:

Through December, 2004:

KA3RRK, N3WJH, N3SOK, KC3FI

Through December, 2005:

KA3IDB, W3ZQI, K3RGG, KD7QOT,  
KB3FIF

## BRATS MEETINGS

Second Tuesday, 7:30 PM

Pikesville Library

1301 Reisterstown Rd.

## Next BRATS Meeting

Tuesday, August 10, 7:30 PM

at the Pikesville Library

1301 Reisterstown Rd.

## **AMSAT-OSCAR Echo Satellite Launched!**

A Russian Dnepr LV rocket carrying the AMSAT-OSCAR Echo Amateur Radio satellite and several other payloads launched on schedule today at 0630 UTC from Baikonur Cosmodrome in Kazakhstan. AMSAT-NA says it received a telephone report from Chuck Green, N0ADI, who was at the launch site, that the launch was successful and all spacecraft had separated successfully. Ground controllers made their first contact with Echo at 1452 UTC and collected some telemetry to analyze before shutting down the digital downlink transmitter. The first downlink signals were 435.150 MHz FM at 9600 bps.

## **Echo Satellite is Officially AMSAT-OSCAR 51**

NEWINGTON, CT, —AMSAT's Bill Tynan, W3XO, issued the following statement concerning the latest amateur satellite, AMSAT-OSCAR Echo, which was launched June 29 from the Baikonur Cosmodrome in Kazakhstan. "AMSAT-NA President Robin Haighton, VE3FRH has asked me to handle issuance of OSCAR numbers, and has written me requesting an OSCAR number for the Echo satellite. Therefore, in response to his communication, I hereby issue Echo the number AMSAT-OSCAR-51 (AO-51) to this exciting new Amateur Radio spacecraft. Thus, AO-51 joins a long line of Amateur Radio satellites beginning with OSCAR-1 launched in December 1961. "I wish to congratulate everyone involved in the design, construction, testing, preparing for launch, launching and commissioning of this latest Amateur Radio spacecraft..."

## **SO-50 satellite now available to all via CTCSS tone:**

AMSAT-NA says the the SO-50 satellite also known as SaudiSat-1C now is available to all, and users can switch on the Mode J transponder via a CTCSS tone. Here's the procedure: Transmit on 145.850 MHz (taking Doppler effect into account) using a CTCSS tone of 74.4 Hz to arm the onboard 10-minute timer. Then, transmit FM voice on 145.850 MHz using a CTCSS tone of 67.0 Hz to actuate the repeater within the 10-minute window. SO-50's downlink frequency is 436.800 MHz. Sending the 74.4 Hz CTCSS tone again within the 10-minute window resets the timer. SO-50 sports a quarter-wave vertical receiving antenna mounted at the top corner of the spacecraft. The transmitter runs 250 mW into a quarter-wave antenna mounted on the bottom corner of the spacecraft and canted 45 degrees inward. (sourced to arrl letter, via WIA QNEWS))

## **AMSAT-NA debuts Web site makeover (**

AMSAT-NA introduced its new Web site design June 29 to coincide with the successful AMSAT-OSCAR Echo launch. The site has been available in "beta" form for a few weeks. "I must personally thank Emily Clarke for her excellent work in developing this new Web site," said AMSAT-NA President Robin Haighton VE3FRH. "Judging by your comments, it already has your approval." The AMSAT-NA Web site makeover has been in the works for about a year under the management of AMSAT-NA Executive Vice President Rick Hamblv. W2GPS.

## **A fluid that doesn't make things wet.**

Coming soon to fire suppression systems and fire extinguishers near you will be a fluid that doesn't make things wet. The 3M company has developed "Novec 1230", a uorinated ketone with a chemical structure of six carbon molecules that looks like water and is said to have an "ideal balance of performance, toxicological and environmental properties." Paper is not made wet by it, and "Novec 1230" can be sprayed over electrical equipment, indeed they can be immersed in it, and remain running and functional. Guess what? The computer over-clocking community has already begun thinking about whether it has good heat absorption qualities, with a view to running computers immersed in it. [WIA QNEWS]

## **Yes, we've landed; no, you can't look outside**

When Northwest 1152 from Minneapolis-St. Paul to Rapid City, S.D., landed, it was within five minutes of schedule, even though it was a couple of minutes late leaving. One look out the window by a passenger suggested a reason: Instead of the usual terminal bustle, there were barracks-like buildings and military tules. Then he and the other 116 passengers were instructed to lower the window shades. The pilot "hemmed and he hawed and he said, 'We have landed at an Air Force base a few miles from the Rapid City airport and now we are going to figure out how we're going to get from here to there,' one passenger recounts in the St. Paul Pioneer Press. In fact, the Airbus was at Ellsworth Air Force Base, five miles and "just over the hill" from Rapid City Regional. Passengers and crew waited in the plane for three hours while military officials questioned the crew. The captain and first officer were replaced by a different crew, which flew the passengers to the regional airport, arriving 3 hours and 42 minutes later. Northwest confirmed an "unscheduled landing" but little else. "We're not acknowledging it was pilot error," said spokesman Kurt Ebenhoch. The carrier apologized and offered free round-trip tickets to the passengers. The FAA is investigating.

## **'Wrong airport' pilots grounded**

The pilot and co-pilot of that Northwest plane that landed at an Air Force base instead of Rapid City, S.D., have been suspended during the investigation, the carrier tells The Associated Press. Air Force Lt. Christine Millette said the pilots reported they were in contact with Rapid City controllers on their approach when they descended into a cloud. When the plane came out of the cloud, the first runway the pilots saw was Ellsworth — about seven miles away from the airport the plane was supposed to land at.

## **ADP Telecom Deploys Cisco Wireless Infrastructure at Roissy Charles De Gaulle Airport and Paris Expo-Porte De Versailles**

**Fench Airports Operator Targets Convention/Hospitality Sector and Other Airports with LAN Services Based on Cisco Aironet Access Point and Catalyst Switch Platforms**

PARIS—( Cisco Systems® today announced that ADP Telecom, which, as part of the French airports operator Aeroports de Paris, oversees telecommunications across all airports and landing fields within a 50 kilometer radius of Paris, is switching to Cisco® platforms for the delivery of wireless local-area-network (WLAN) services at Roissy Charles de Gaulle airport's Terminal 1. ADP Telecom is also using Cisco technology to provide WLAN services for the Paris Expo-Porte de Versailles, the second-largest convention center in Europe, to deliver wireless services to visitors and exhibitors. ADP Telecom will operate all voice, data and video services for all exhibitors and visitors of the Paris Expo Organization. The announcement follows successful ADP Telecom deployments of Cisco WLANs at many smaller airports and hotels, including 46 hotels of the Alliance Hospitality chain in France and Belgium (Holiday Inn), each with between 200 and 300 rooms.

## **Salt Lake City goes wireless**

Fliers with wireless Internet-enabled personal digital assistants and laptops can connect to the Web in all areas of Salt Lake City International Airport, including ticketing, baggage claim, restaurants, lounges and at all gate areas. Previously, Internet access options — except for a single Wi-Fi hot spot in the members-only Delta Crown Room — were essentially pay phone dial-ups. Russ Pack, administrative director for the airport, tells The Salt Lake Tribune that high-speed access "was very limited, with none in the public areas at all." With the new system "we are now ahead of a lot of big airports in providing Wi-Fi throughout the facility." Sprint's service costs \$9.95 for 24-hour "Pay-As-You-Go" access, or a monthly \$49.95.

## **Police at Logan to use wireless database**

DANVERS, Mass. (AP) — State troopers at Logan International Airport will be able to use a handheld wireless device to search a vast database of information about people they are investigating. Officials at LocatePLUS Holdings Corp. said troopers could use a Blackberry wireless device to search the company's database, which contains billions of online public records. Jon Latorella, president and chief executive of the company said the company aggregates and integrates a number of databases to create a "complete dossier" on people that investigators find useful. "It's a great response. Everywhere we've shown it, everyone wants it," he said. Latorella wouldn't say how many of the Blackberrys would be used by the State Police. State Police Lt. Thomas Coffey said the system has already been in use at the airport on a pilot basis. "It's an invaluable system. It really provides us with information that we probably could not obtain elsewhere without a lot of legwork," he said. Coffey said troopers at Logan also can use a separate wireless device that gives them access to law enforcement databases. LocatePLUS officials said other units of the State Police have already been using their database. The company says it has more than 15,000 customers, including more than 2,000 law enforcement agencies. It estimates it has information in its database on approximately 205 million people.

## **Computer to monitor pilots' alertness on 18.5-hour flight:**

Singapore Airlines (SIA) began Monday what became the world's longest non-stop flight. The flight left Singapore at 12:05 p.m. local time Monday and arrived in New York at 6 a.m. this morning. Think that's a long time for a pilot to fly? You're right. Pilots flying the non-stop route will be hooked up to a hand-held computer and have to wear a special watch to monitor their alertness levels during the 18 1/2 hour flight, The Associated Press reports. Singapore Civil Aviation officials say the tests will help determine whether new regulations are needed to cover pilots' working hours on the super-long flights.

## **Hola, Southwest:**

Southwest Airlines Web site is now available in Spanish, including all booking options and travel tools. The Spanish-version site can be found at [www.southwest.com/vamonos](http://www.southwest.com/vamonos)

## **Airline humor:**

Southwest flight attendants are known for their sense of humor onboard. Here's one nugget from a packed flight Monday from Buffalo to Baltimore: "If you're sitting in a window seat, please press your face to the window so the other airlines can see how full our flight is."

## **Fish story grows:**

Ray Bolanos reported 40 pounds of halibut missing from his luggage after a Continental flight from Anchorage to Seattle, we noted last week. This week, a growing stench led airline officials to a luggage conveyor belt at Ted Stevens Anchorage International Airport, where they discovered "a ton of rotting fish" believed to be Bolanos' missing halibut, the Associated Press reports. Brenee Davis, a general manager for Continental Airlines in Anchorage, said the airport's new baggage belt system has been in use for only a few weeks. Her theory is that Bolanos' cooler wasn't properly secured and came open on the conveyor belt. Bolanos isn't sure he buys that explanation. When his fish cooler came off the luggage carousel in Seattle, he said he found the rope he had tied around the chest inside — and his 40 individually wrapped one-pound chunks of halibut gone. When the fish was discovered in Anchorage, it smelled pretty badly and was immediately thrown away. Davis wasn't sure how many pieces of fish had been found. "We're still finding it," she said. "We've got a long bag belt system." The into the disappearing/reappearing fish continues.



## **Man charged with dropping shorts in airport security line**

MINNEAPOLIS (AP) — Travelers are used to removing their shoes at the airport, but one passenger took it a step further and dropped his shorts, airport police said. Police said a security screener was waving a metal-detecting wand over Daryl Miller's pants area on Friday when Miller pulled his shorts down to his ankles. He wasn't wearing any underwear. Miller then said, "There, how do you like your job," thus ending the screening, according to the police report. Airport police charged him with indecent exposure, and he was released after paying \$300 bail. We've never had anybody do that before," said airport police Lt. Matt Christenson. "But it's not abnormal for people to become frustrated with the screening process."

"This person exposed himself in a public area, a clear violation of the law, and we needed to take some action on that, otherwise everybody would be dropping their pants," Christenson said. In August 2003, the TSA said a man removed his pants during a screening at Hollywood International Airport in Florida. That man, who was wearing boxer shorts, said a security guard had ordered him to remove the pants.

## **Would you like your surgery with or without airfare?**

Package tours where customers buy airfare and hotel as a single-price unit have become increasingly popular recently. It's usually a good way for travelers to save money and for airlines and hotels to unload distressed inventory without revealing how much (or how little, rather) they're willing to sell for. But Singapore discounter Valuair has taken a novel approach on the travel packages, saying it plans to launch a series of regional tours that incorporate short vacations with outpatient surgery. The Canadian Press says that 12 customers have already paid about \$2,200 for the tours, which cover travel from Singapore to Bangkok for corrective laser eye surgery followed by a three-day "recuperation" stay at the Thai beach resort of Pattaya.

## **Radio Free Syria to Broadcast on 13650 kHz**

Thursday, June 17 2004 Radio Free Syria will hit the airwaves this weekend, Clandestine Radio Watch (CRW) has learned, marking the first phase of a sophisticated media campaign to chip away at the Ba'ath Party regime in Damascus and to promote democracy and tolerance. The station's inaugural broadcast will occur on June 20, 2004, and air thereafter on Sundays at 1800 UTC on 13650 kHz. [eham,net]

## **Radio 945AM to start new tests from Latvia**

The MW project in Riga on 945 kHz will commence a new series of test transmissions for two weeks starting at the end of June. The exact dates will be announced soon. The name of the station will be "Radio 945 AM", and it will be on the air 24 hours with oldies from the 50s and 60s, and with programming in Latvian and English. The power will be 2.7kW, in prime time hours up to 20 kW. Licensee of Radio 945AM is the Riga-based KREBS TV.

## **The WWW Shortwave Listening Guide**

Comprehensive Listings of Worldwide Shortwave Broadcasts in English and Other Languages. Now incorporating the ProgramLink database. <http://www.anarc.org/naswa/swlguide/>

## **Continental expands Wi-Fi**

Continental Airlines will offer free wireless Internet access in all of its Presidents Clubs located in the USA, except for Chicago, where Continental shares space with Northwest. Continental hopes to expand the free Internet access worldwide by the end of the year.

## **FCC Says Pending 40-Meter Changes will Enhance Spectrum Efficiency**

NEWINGTON, CT, Jun 17, 2004--The FCC says pending changes in the 40-meter amateur band as a result of World Radiocommunication Conference 2003 (WRC-03) will improve spectrum efficiency. The Commission's remark came in a Notice of Proposed Rule Making (NPRM) in ET Docket 04-139, which seeks public comments on proposed rule changes to complete domestic implementation of various WRC-03 allocation decisions. The NPRM primarily affects Parts 2, 25 and 73 of the FCC's rules. "We anticipate that administrations in Regions 1 and 3 will in the near future authorize phone emissions in the segment 7150-7200 kHz," the FCC predicted in the NPRM, "and we note the ARRL has requested that the frequency segment for phone emissions be expanded to 7125-7300 kHz." The FCC said authorizing phone in the 7150-7200 kHz segment of the band would permit same-frequency US-to-DX contacts, resulting in increased spectrum efficiency. Amateurs in the Region 1 countries of Norway, Croatia and San Marino already have been granted access to 7100 to 7200 kHz on a secondary, non-interference basis. Under the present regime, most amateur stations in Regions 1 and 3 use 7075-7100 kHz for phone. Since the US phone band is 7150 to 7300 kHz, this means most US-to-DX operation requires "split" operation. The band 7000-7300 kHz is allocated to the Amateur Service on a primary, exclusive basis in Region 2, but that is not the case in much of the rest of the world. Effective next January 1, WRC-03 allocated the band 7100-7200 kHz to the Amateur Service in Regions 1 and 3 on a co-primary basis with broadcasting. After March 9, 2009, 7100-7200 kHz will be allocated to the Amateur Service on an exclusive basis throughout the world, except in some Region 1 and Region 3 countries. "As such, Amateur Service use of this 100 kilohertz will be on a de facto secondary basis in Regions 1 and 3 until the broadcasting service vacates the band 7100-7200 kHz at the conclusion of Schedule B in 2009," the FCC noted. "This means that amateur stations in Regions 1 and 3 will shortly be permitted to transmit in the band 7100-7200 kHz, if they can find a frequency that is not being used by an international broadcast station."

## **FCC Affirms \$11,000 Fine for California Amateur**

NEWINGTON, CT, Jul 14, 2004--The FCC has ordered Daniel Granda, KA6VHC, to pay an \$11,000 fine for alleged "willful and repeated" violations of the Communications Act of 1934 and Amateur Service (Part 97) rules. The Commission's July 9 Forfeiture Order followed a Notice of Apparent Liability (NAL) issued March 31. Granda did not respond to the NAL or to earlier FCC correspondence, and the FCC said it was affirming the forfeiture based on the information it had before it. "The noted violation involves Mr. Granda's failure to respond to official Commission correspondence and causing intentional interference to Amateur Radio communications," the FCC Order said. In its earlier NAL, the FCC asserted that on at least eight occasions, Granda, 58, "willfully and maliciously caused interference to other stations and conducted activity in an effort to obtain exclusive use" of a 1.25 meter repeater pair. The Whittier, California, licensee was the recipient of a December 2002 Warning Notice from the FCC Enforcement Bureau alleging that Granda deliberately interfered with two repeaters, KD6ZLZ and WA6NJJ, and requiring him to provide a detailed plan to prevent interference. Granda failed to respond to that and to subsequent notices, the FCC said. Last August, the Wireless Telecommunications Bureau set aside the grant of renewal of Granda's Amateur Extra class license, which expired last November. His renewal application has reverted to "pending" status. Granda has 30 days to pay the fine. If he fails to do so, the case could be referred to the US Department of Justice for collection.

## **Vanity Callsigns "Unlikely" in the UK Before March 2006**

For the past three years the RSGB has been in discussion with firstly the RA and more recently Ofcom over the introduction of 'vanity callsigns'. Whilst supportive of the idea, Ofcom has informed the Society that due to IT software issues it is unlikely that vanity callsigns can be introduced before March 2006.

## **DXCC Desk accredits DX operations**

(Jul 15, 2004) -- The following DX operations have been approved for DXCC credit: YA7X, Afghanistan, March 1-April 30, 2004; HZ1AN, HZ1IZ, Saudi Arabia, all operations; 3DXQZ, Republic of Guinea, April 20-30, 2004; YI9MC, Iraq, current operation effective March 23, 2004; 5V7AD, Togo, June 12-22, 2004. For more information, visit the DXCC Web page. A new feature, DXCC FAQ, can answer most of your questions on DXCC program issues.

## **Actor and radio amateur Marlon Brando is a Silent Key**

Known to hams world-wide as KE6PZH and FO5GJ, Brando is listed on the FCC database as Martin Brandeaux. He was on the air occasionally through the years with his FO5 callsign from his private island in French Polynesia. In an interview with Larry King on CNN recorded in 1994 and shown again this week, Brando confirmed his continued interest in amateur radio. In response to a caller's question, he said amateur radio provided him with the opportunity to "just be himself". [WIA QNEWS]

## **Broadband over Power Line video available**

A video that clearly and concisely explains and depicts the threat of Broadband over Power Line(BPL) to Amateur Radio now is available for downloading free of charge from the ARRL Web site <<http://www.arrl.org/news/stories/2004/06/18/8/BPL-and-HF-web.mpg>>. The video, BPL and HF: A Primer, runs approximately three and one-half minutes (including credits). It's suitable for Amateur Radio club presentations as well as for non-ham audiences, such as the news media, civic clubs, local governments and emergency response agencies. A suitable "companion piece" for the video presentation is the ARRL brochure Its Deployment," <<http://www.arrl.org/tis/info/HTML/plc/bpl-deployment.html>> which makes an ideal informational handout.. The file is approximately 18 MB. A high-speed Internet connection is strongly advised for those wishing to download BPL and HF: A Primer. [ARRL LETTER]

## **SOMALI**

Our good friend Sam Voron tells us that 2 Soma ham stations are now on air. The Radio Daljir amateur radio club station is on 1.8, 3.5, 7, 18 and 50MHz. The Radio Galkayo amateur radio club station on 14.285, 21.295 and 28.475 MHz. Sam is more often than not on 14.285MHz. Listen for SIX OSCAR ZERO ALFA from 0345 to 0400UTC on 14.285MHz. Both stations are in Galkayo 700km north of Mogadishu. [WIA QNEWS]

## **Special Events - ends 12/31/04**

### **HS-72-B FROM THAILAND**

This special event call sign has been issued to celebrate their country's Majesty the Queen's 72nd birthday. The call sign will be in use during any SEANET activities. QSL via operators' instructions. (sarl)

### **W1AW - ARRL HEADQUARTERS**

Hiram Maxim Memorial Station W1AW at ARRL Headquarters will identify using a "/90" designator through the end of 2004. The W1AW/90 call sign reflects the 90th anniversary of the League's founding by Maxim and Clarence Tuska in 1914. Operation as W1AW/90 began April 3. W1AW Station Manager Joe Carcia, NJ1Q, said he'll encourage guest operators to use as many modes as possible, including RTTY, PSK31, satellite and even Hellschreiber. (sourced to ARRL Letter)

### **SPECIAL EVENT STATION ZS-100-FLY**

A special event station has started operating from ZS to celebrate 100 years of powered flight. The call sign of ZS 100 FLY is being used and the station will be operational from various Airports, Historic monuments, Air shows and Aviation sites throughout 2004. A special collectors item QSL card will be issued. The station will operate on all HF Bands and 2 metres. [WIA QNews]



## ARRL DX BULLETIN

**OMAN, A4.** Chris, A45XR has been QRV using PSK on 17 meters around 1420z. He has also been active using RTTY on 20 meters around 2100z. QSL to home call.

**SOUTH SHETLAND ISLANDS.** Oleg, CE9/R1ANF is working from the Ardley Bay on King George Island, JIOTA AN-010. QSL via RK1PWA. Meanwhile, Oleg, UA1PBA, Slava, UA1PAI and Aleksei, UA1PAW are QRV as R1ANF from the Bellinghausen Base. QSL via RK1PWA.

**ETHIOPIA, ET.** ET3TK has been QRV using RTTY on 17 meters between 1700 and 2000z. QSL via OK1CU.

**ANTARCTICA.** LU4ZS is currently active from Seymour Island, IOTAAN-013. QSL via LU4DXU.

**CHAD, TT.** Francisco, TT8FC is often QRV on 15 meters around 1530 to 1700z. QSL via EA4AHK.

**COTE D'IVOIRE, TU.** TU5KG has been active on 15 meters around 1800z, and 40 meters around 0300z. QSL via F4EFI.

**BERMUDA, VP9.** Tom, VP9/W9AEB is QRV until November 6. QSL via WF9V.

**QATAR, A7.** Juma, A71EM has been QRV on 17 meters from around 1800 to 1900z. QSL via EA7FTR.

**BAHRAIN, A9.** Mohamed, A92GR has been QRV on 20 meters around 2230z. QSL to home call.

**SAO TOME AND PRINCIPE, S9.** S9SS has been QRV on 17 meters around 2200z. QSL via N4JR.

**CAMBODIA, XU.** Wim, ON6TZ/XU7TZG is QRV from Kompong Som. He is usually active on 20 meters. QSL via ON4AJV.

**MOROCCO, CN.** Youssef, CN8YZ has been QRV using RTTY on 20 meters around 0015 and 0115z. QSL via EA7FTR.

**SAMOA, 5W.** 5W0DL has been QRV using PSK31 on 20 meters between 0400 and 1200z. Also, 5W0TR has been QRV on 30 meters after 0830z. QSL both calls via K8AA.

**DEMOCRATIC REPUBLIC OF CONGO, 9Q.**

Cyprien, 9Q1KS has been QRV on 15 meters SSB around 1600z. QSL via operator's instructions.

**JUAN FERNANDEZ ISLANDS, CE0.** Eliazar, CE0ZIS has been QRV on 12 and 10 meters around 2030 and 2100z.

**CAMBODIA, XU.** Claude, XU7ABN has been QRV on 20 and 15 meters using RTTY between 1830 to 2230z, and then after 1000z, respectively. QSL via operator's instructions.

## WA7BNM Contest Calendar

July 24-25	Russian WW RTTY Contest RSGB IOTA Contest
August 1	RSGB RoPoCo 2 SARL HF Phone Contest
Aug. 7-8	10-10 Int. Summer, SSB European HF Championship North American QSO Party, CW ARRL UHF Contest
Aug 14-15	WAE DX Contest, CW Maryland-DC QSO Party
Aug 21-22	SARTG WW RTTY Contest ARRL 10 GHz and Up Contest Keyman's Club of Japan Contest SEANET Contest North American QSO Party, SSB New Jersey QSO Party
Aug 28-29	ALARA Contest TOEC WW Grid Contest, CW YO DX HF Contest SCC RTTY Championship Ohio QSO Party SARL HF CW Contest
Sept. 4-5	All-Asian DX Contest, Phone IARU Region I Field Day, SSB RSGB SSB Field Day DARC 10-Meter Digital Contest

## Other Radio Club Meetings:

### QCWA

**Monday at Noon,** Cactus Willie

7315 Ritchie Hwy, Glen Burnie

**3<sup>rd</sup> Thursday, 1 PM:** Old Country

Buffet, Joppa Rd at Satyr Hill

**Last Wednes. 1 PM:** Denny's

Bel Air Rd at Putty Hill

**AARC:** 1st and 3<sup>rd</sup> Thurs, 7:30 pm

Davidsonville Family Rec.Center,

Queen Anne Bridge Rd, Wayson

Rd. (147.105/R)

**AMRAD:** 2<sup>nd</sup> Thursday, 7:30 PM,

Dolley Madison Library ; 1244 Oak

Ridge Ave. McLean, VA (147.21/R)

**BARC:** 1<sup>st</sup> and 3<sup>rd</sup> Wednesday, 7:30 PM

12360 Owings Mills Blvd. (nr. warehouse

Owings Mills, MD (146.67/R)

**CARA:** 4<sup>th</sup> Tuesday, Gateway Center,

Rm 401, 6751 Gateway Dr. Columbia.

South off Rte. 175 (147.135/R)

## Hamfests

### **SUNDAY, JULY 25, 2004** **The famous BRATS MARYLAND** **HAMFEST and COMPUTER FEST**

Timonium Fairgrounds

Free VE Exams at 9 AM only.

TABLES AVAILABLE! Call 410-461-0086  
or write to: BRATS Hamfest, P.O. Box 5915  
Baltimore, MD 21282-5915

**Sunday, August 1** – Berryville VA.  
JWinchester Hamfest, Clarke Co.  
Ruritan Fairgrounds. (146.82/R)

**Sunday Aug. 15** – Westminster, MD.  
CCARC Tailgate fest – Also,  
**Sunday, October 31** – CCARC Hamfest  
Both at Carroll Co. Agricultural Center  
info: Steve, N3SB, 410-876-1482 or  
<http://www.qis.net/~k3pzn> (145.41/R)

**Sat./Sun, Sept. 11-12** – Gaithersburg, MD  
FAR-FEST – Montgomery Co. Fairgrounds

**Sat./Sun, Sept., 18-19** – Virginia Beach, VA  
NEW LOCATION: Va. Wesleyan College,  
1584 Wesleyan Drive. (146.97/R)  
<http://www.vahamfest.com>

**Sunday., October 2**, West Friendship, MD  
CARA-FEST. Howard County Fairgrounds

**Sun., October 17**, Sellersville, PA  
RF Hill ARC Hamfest . Sellersville  
Fire House, Main St., Bethlehem Pike  
Cathy Soete 215-723-7294. Map and  
hamfest flyer: <http://www.rfhill.ampr.org>

**Sunday, October 31**. Westminster, MD  
CCARC Hamfest, Carroll Co. Agricultural  
Center. Steve, N3SB, 410-876-1482.  
<http://www.qis.net/~k3pzn> (145.41/R)

## milliwatt swap shop

*ads are free and get results!*

Send ad to: BRATS, P.O. Box 5915  
Baltimore, MD 21282-5915, or e-mail  
to: [mayerzimmerman@netzero.com](mailto:mayerzimmerman@netzero.com)

**FOR SALE: The famous W3GXX low-band station.**  
Make reasonable offer on any or all of the following:  
(package deal preferred): ICOM 730 xcvr. (fan needs  
some coaxing), ICOM PS-15 power supply; MFJ 481  
Grandmaster memory keyer; Bencher BY2 paddle  
(silver), MFJ 900 econo-tuner antenna tuner; Heath  
HM102 low band power/swr meter, Heath HD1426  
relative field strength meter, all cables and connectors.  
Alliance HD 73 Heavy Duty rotor, South River 10-foot  
tripod (some rust); HyGain TH3MK3S (stainless steel  
hardware) triband beam; (You take down beam and  
tripod) Call Mayer, W3GXX, 410-786-6839, leave  
message, or email: [mayerzimmerman@netzero.com](mailto:mayerzimmerman@netzero.com)

## VE Exams

**2<sup>nd</sup> Saturday, 1 PM**, Davidsonville, by AARC  
Register 12 Noon. Oscar, NV3G, 301-262-3392

**3<sup>rd</sup> Saturday, 9 AM**, Laurel by LARC, 384 Main  
St. John Creel, WB3GXW, 301- 572-5124.

**4<sup>th</sup> Tuesday, 6 PM**, Linthicum. At Historical  
Electronics Museum. Harold, WB4OGP,  
410-757-0493(h); 410-712-6829(w)

**BARC VE Exams, 2 PM**; register at 1 PM  
12360 Owings Mills Blvd. Owings Mills.

**Saturdays:** Aug.7, Sept. 4, Nov. 6.  
Dec. 4; **Sunday:** October 3; NO exams in July.  
Pre-registration preferred, walk-ins accepted.  
Rusty, N3WKE, 410-247-0578.

## MILLIWATT via e-mail?

Would you like to receive your *MILLIWATT*  
via e-mail?

Would you like to download your *MILLIWATT*  
from The BRATS home page?

Would you like to continue receiving a hard  
copy in the mail each month?

All of the above? Any of the above?

Please send us an e-mail and let us know ,  
Thanks! [mayerzimmerman@netzero.com](mailto:mayerzimmerman@netzero.com)

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Baltimore, MD 21282-5915, or e-mail  
to: [mayerzimmerman@netzero.com](mailto:mayerzimmerman@netzero.com)

**WANTED:** AC Gilbert erector sets; old, new  
large, small, need not be complete. CASH  
paid Lewis, 410-296-4874.

**WANTED:** Diawa digital power/swr meter  
DP-810, Lew. [W2BIE@aol.com](mailto:W2BIE@aol.com).

**FOR SALE:** Telechrome Model 3508-A1  
professional TV test signal generator, A solid  
state, portable or rack-mountable self-contained  
test instrument producing video signals to measure  
transmission characteristics of video and TV.  
Very useful for ATV, SSTV, 16.5" W x 7" H x 12" D,  
in excellent condx with schematics. Make offer  
(+\$20 shipping in Continental US). Dennis, N3DG,  
[radiodq@hotmail.com](mailto:radiodq@hotmail.com)

**FOR SALE:** Kenwood TR-2500 2-mtr. FM  
xcvr., base stand and charger, mobile stand  
and charger. Kenwood power amp VB 2530,  
30 watts. Tokyo Hy-Power amp HL 32\,  
15-30 watts. MFJ 1224 RTTY/CW compu.  
interface, camcorder battery TP7H 6V 260  
mAh . Call David, KA3GBB, 410-529-5228

**FOR SALE:** Yaesu low band transceiver,  
KW amplifier, misc. "stuff" to go w/ above.  
Make offer. Marvin, WB3JDR, 410-484-1404.

**Radio Consignment Shop** at Overlea Hobbies  
8411 Harford Rd. Parkville, 410-665-3622.  
Home of fine trains, model kits, x-acto, cars,  
planes ships, many radios. Yaesu FT101ZD,  
Kenwood TS 820S, 930S, Heathkit SB-102,  
National NC-183, more... Dick, N3JWN,  
410-488-2806.

**NOTE:** If you do NOT want your ad to run  
again, please send us an e-mail to that  
effect: [mayerzimmerman@netzero.com](mailto:mayerzimmerman@netzero.com)

## VTS - VIDEOTAPING SERVICE

Video/DVD duplications, video tape transferred  
to DVD. One source up to 2 hours, \$30.  
Standards, conversions. Call VTS toll free at  
1-877-891-1002. BRATS member Bob Shapiro,  
K2MYS <http://www.videotaping-service.com>

## JADE COMPUTERS, LLC

1009 Ingleside Ave. Baltimore, MD 21228  
Phone: 419-719-1246; Fax: 410-719-9494  
Your answer to custom built PC, office and home  
networking, Reseller for Net Integrity Server,  
cable modem, DSL, webpage design and hosting  
POS and networking. We do CPR to your CPU.  
Kid tested, mother approved. Order PC on line:  
<http://www.jadecomputers.net>  
e-mail: [joed@jadecomputers.us](mailto:joed@jadecomputers.us)

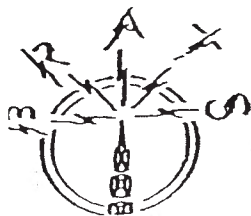
**FOR SALE:** Best offer for any or all: Tempo One  
SSBxcvr. spkr, p/s; Kenwood TS940S w/ ant tuner ,  
TenTec 229 ant. tuner, MFJ Versatuner II, Bearcat  
BC IV AC or DC 8-channel scan or manual. Swan  
Mark II linear, p/s, BK precision oscilloscope, signal  
generator. Dick Ward, KA3SBM, 410-529-8637.

**FOR SALE:** ICOM 718 HF xcvr with DSP module.  
Purchased new 3/27/03.\$400 firm! Yaesu FT 1500M  
2 mtr. FM mobile rig,5,10, 25, 50 w. out. Built like a  
tank! 2 yrs. old.\$80 firm! Looking for a ride to and  
from hamfests. Will contribute toward cost of gas.  
Marv, N3BQA, 410-685-6308.

**FOR SALE:** 1 TE Systems UHF 420-475 MHz 10W  
in , 100 W out continuous duty RF power amp,  
model 4410R in outstanding condition. Asking 200.  
Contact R. Burns, K3GOD at 410-238-0066 .

**FOR SALE:** Military receiver , BC 348Q, excellent  
condx, modified for 12v fil. easily reverted to original  
28v, no other modification; internal p/s w/ speaker,  
mounting base, FT 154 plug PL 103 unique ant.  
noise shield ( have only seen one other) TM and  
conversion material. Asking \$175. Virgil, K3BCD,  
410-866-5541.

**FOR SALE:** MFJ 949D 300 watt antenna  
tuner in mint condition, \$60. John, KA3ZTC  
[ka3ztc1@juno.com](mailto:ka3ztc1@juno.com)



# the Milliwatt



The award-winning monthly publication of  
The Baltimore Radio Amateur Television Society.  
P.O. Box 5915 Baltimore, MD 21282-5915

AUGUST, 2004

**BRATS MARYLAND HAMFEST and COMPUTER FEST**  
Sunday, July 25<sup>th</sup>, 2004 Timonium Fairgrounds

## Next BRATS Meeting

Tuesday, August 10, 7:30 PM  
at the Pikesville Library  
1301 Reisterstown Rd.

## Subsequent Meetings:

All Meetings at 7:30 PM :  
Tuesday, September 14  
Tuesday, October 12  
Tuesday, November 9  
Tuesday, December 14

## ATV

Low Band ATV Net, AATN Meeting:  
Fridays at 9 PM 3930 KHz , +/-

### BRATS NETS:

Monday 11:45 AM, Informal ATV Net,  
Thursday, 9 PM, ATV Net, W3WVV  
Homepages:

HATS (Houston ATV Society)

<http://www.hats.stevens.com>

Black Mountain AQTV Repeater

<http://www.w6yx.stanford.edu>

BRATS

<http://www.bratsatv.org>

## Do you know how to send these characters in International Morse?

According to the ITU, the correct method of sending "understood" in International Morse is:  
the characters IR run together, or ....- (dit dit dit dah dit). The correct method of sending  
"error" is 8 dots .....

[RAC]

## BRATS RENEWAL REMINDER

If you are listed below, please renew NOW! Thanks!

**Past Due:** N3WHK, N2MCG, KA3VOL, K3SOZ, K3GOD, KB3DEK, W3KG

**Expired 06/04:** KE3IM, KD4PGY, N3UKO

**Expires 08/04:** WB3JKC, WB3JDR, N3FDO, K3LJ, N3SBO, N3SOF, K3JH, W3WTQ

If we made a mistake, please let us know: [mayerzimmerman@netzero.com](mailto:mayerzimmerman@netzero.com)

**BRATS Membership Renewal: Regular= \$12; Retired/Disabled/Student/Fam.= \$6**

Name \_\_\_\_\_ Call Sign \_\_\_\_\_ BRATS No \_\_\_\_\_

Address \_\_\_\_\_ City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_ e-mail \_\_\_\_\_

MAIL TO: BRATS; P.O. Box 5915, Baltimore, MD 21282. Thanks!